

REMARKS

Claims 1, 3-4, 6-8, 10-11 and 13-14 are pending. By this amendment, claims 8, 11 and 13 are amended.

§ 101 Rejections

The Office Action rejects claims 8, 10, 11, 13 and 14 under 35 U.S.C. § 101 as being directed to non-statutory subject matter. Specifically, the Office Action alleges that claims 8, 10, 11, 13 and 14 fail to recite a tangible result.

Claim 8 is amended to clearly indicate that the claimed method is directed to correcting a current value detected by a current sensor using a calculated offset value (claim 8 is also amended for clarity). Specifically, claim 8 requires the tangible result of “correcting the current value detected by the current sensor when detecting a charging or discharging current of a battery using the calculated offset value to account for a hysteresis characteristic of the core.” As explained in the specification of the present invention, correction of the detected current value based on an accurate calculated offset value can significantly improve the accuracy of the detected current value. Therefore, a substantial practical application is clearly recited by the method of claim 8 in accordance with the Interim Guidelines on Patent Eligible subject Matter (MPEP § 2106). Accordingly, Applicants request that the rejection of claim 8 be reconsidered and withdrawn.

Claim 11 is similarly amended to clearly recite a tangible result and is therefore allowable for at those reasons provided above for claim 8 (claim 11 is also amended for clarity). Claim 10 depends from claim 8 and claims 13 and 14 depend from claim 11 and are allowable for at least the reasons applicable to claims 8 and 11, respectively, as well as due to the features recited therein. Accordingly, Applicants request that the rejections of claims 10, 13 and 14 be reconsidered and withdrawn.

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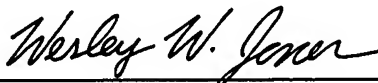
For the above reasons, it is submitted that the application is in condition for allowance. Prompt consideration and allowance are solicited.

The Examiner is invited to contact the undersigned at (202) 220-4232 to discuss any matter concerning this application.

The Office is authorized to charge any additional fees under 37 C.F.R. § 1.16 or § 1.17 or credit any overpayment to Deposit Account No. 11-0600.

Respectfully submitted,

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